2003-005 SEQUENCE LISTING

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gaa go Glu Al	cc agc la Ser	tta Leu	aag Lys 40	ga g Glu	cag Gln	atc Ile	gac Asp	tgg Trp 45	ctc Leu	gct Ala	gaa Glu	cgt Arg	tat Tyr 50	tcc Ser	202
gct ga Ala As	ac ttg sp Leu	act Thr 55	aac Asn	aaa Lys	gac Asp	act Thr	tca ser 60	aaa Lys	tgg Trp	aat Asn	acc Thr	gac Asp 65	gag Glu	aag Lys	250
gtg aa Val Ly	ag gag /s Glu 70	ctg Leu	ttg Leu	aat Asn	gag Glu	aag Lys 75	gct Ala	gtt Val	ggc Gly	ata Ile	gag Glu 80	tct Ser	cgc Arg	ctt Leu	298
ctt go Leu Al 85	cc att la Ile	gct Ala	aag Lys	ga a Glu	ttc Phe 90	cac His	aaa Lys	ttg Leu	aag Lys	tcc ser 95	gtt Val	ctg Leu	tgc Cys	acc Thr	346
ggc gt Gly Va 100	cc aac al Asn	gaa Glu	act Thr	ccc Pro 105	gct Ala	cat His	gtc val	gct Ala	aac Asn 110	agg Arg	gtg val	tca Ser	ccc Pro	gga Gly 115	394
gac go Asp Al	c atc la Ile	tcc Ser	atg Met 120	ctc Leu	tac Tyr	gtg Val	ctt Leu	tct Ser 125	atc Ile	act Thr	cac His	agg Arg	gaa Glu 130	ttg Leu	442
tct ag Ser Se	gc ctt er Leu	aag Lys 135	aat Asn	aag Lys	atc Ile	gat Asp	gaa Glu 140	tgg Trp	aag Lys	aag Lys	gtc Val	aag Lys 145	gca Ala	tct Ser	490

gaa gat ggc acc aaa gtg atc caa aat atc aag gac gac agg act a Glu Asp Gly Thr Lys Val Ile Gln Asn Ile Lys Asp Asp Arg Thr A	ac 538 sn
acc tgg ttc gtt gcc cat gga ttc aag gta gct gag ctc aac gat g	tc 586
Thr Trp Phe Val Ala His Gly Phe Lys Val Ala Glu Leu Asn Asp V 165 170 175	aı
acc ctt gag aaa ctt gca aca gtg gtt aac gaa ttg gtg tcc cac a Thr Leu Glu Lys Leu Ala Thr Val Val Asn Glu Leu Val Ser His L 180 185 190	aa 634 ys 95
gat atg att tac att aac gac gct atg aag caa aac gtt gat aaa t Asp Met Ile Tyr Ile Asn Asp Ala Met Lys Gln Asn Val Asp Lys T 200 205 210	gg 682 rp
acc aag gag gag tct ga a aga ttg gcc atg atg gct gaa cag ggt a Thr Lys Glu Glu Ser Gl u Arg Leu Ala Met Met Ala Glu Gln Gly I 215 220 225	ta 730 Te
tct gga gcc aag ggt aa <mark>g aag gat gga ttc tca ttc gcc ggt ctt a</mark> Ser Gly Ala Lys Gly Lys Lys Asp Gly Phe Ser Phe Ala Gly Leu S 230 235 240	gt 778 er
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Ser Pro Gly Asp Ala Ile Ser Met Leu Tyr Val Leu Ser Ile Thr His 115 120 125

Arg Glu Leu Ser Ser Leu Lys Asn Lys Ile Asp Glu Trp Lys Lys Val 130 135 140

Lys Ala Ser Glu Asp Gly Thr Lys Val Ile Gln Asn Ile Lys Asp Asp 145 150 155 160

Arg Thr Asn Thr Trp Phe Val Ala His Gly Phe Lys Val Ala Glu Leu 165 170 175

Asn Asp Val Thr Leu Gl**u Lys Leu Ala Thr Val Val Asn Glu Leu Val** 180 **185 190**

Ser His Lys Asp Met Ile Tyr Ile Asn Asp Ala Met Lys Gln Asn Val 195 200 205

Asp Lys Trp Thr Lys Glu Glu Ser Glu Arg Leu Ala Met Met Ala Glu 210 215 220

Gln Gly Ile Ser Gly Ala Lys Gly Lys Lys Asp Gly Phe Ser Phe Ala 225 230 235 240

Gly Leu Ser Val Ile Ser Leu Leu Val Ala Ala Val Ala Val Val Val 245 250 255

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atg aag ggt ttc ttc gga att att ttg tct att att ttc gtt cgt gcc

Met Lys Gly Phe Phe Gly Ile Ile Leu Ser Ile Ile Phe Val Arg Ala

20 25 30

gtt agc tgc act gag gat gag aac agg gat agt gtc gtc gag ggc gct Val Ser Cys Thr Glu Asp Glu Asn Arg Asp Ser Val Val Glu Gly Ala 35 40 45

acg tcc gtt gaa gcc agc tta aag gag cag atc gac tgg ctc gct gaa 193
Page 3

Thr	Ser 50	٧a٦	Glu	Ala	Ser	Leu 55	Lys	Glu		ile		Trp	Leu	Ala	Glu	
cgt Arg 65	tat Tyr	tcc Ser	gct Ala	gac Asp	ttg Leu 70	act Thr	aac Asn	aaa Lys	gac Asp	act Thr 75	tca Ser	aaa Lys	tgg Trp	aat Asn	acc Thr 80	241
gaa Glu	gag Glu	cag Gln	gtg Val	aag Lys 85	ga g Glu	ctg Leu	ttg Leu	aat Asn	gag Glu 90	aag Lys	gct Ala	gtt Val	ggc Gly	ata Ile 95	gag Glu	289
tct Ser	cgc Arg	ctt Leu	ctt Leu 100	gcc Ala	att Ile	gct Ala	aag Lys	gag Glu 105	ttc Phe	cac His	aaa Lys	ttg Leu	aag Lys 110	tcc Ser	gtt Val	337
ctg Leu	tgc Cys	acc Thr 115	ggc Gly	gtc Val	aac As n	gaa Glu	act Thr 120	ccc Pro	gct Ala	cat His	gtc Val	gct Ala 125	aac Asn	agg Arg	gtg Val	385
					atc Ile											433
					ctt Leu 150											483
aag Lys	gca Ala	tct Ser	gac Asp	aat Asn 165	ggc Gly	acc Thr	aat Asn	gtg val	atc Ile 170	aaa Lys	aat Asn	atc Ile	aag Lys	gac Asp 175	gac Asp	529
agg Arg	act Thr	aac Asn	acc Thr 180	tgg Trp	ttc Phe	gtt val	gcc Ala	cat His 185	gga Gly	ttc Phe	aag Lys	gta Val	gct Ala 190	gag Glu	ctc Leu	577
					gag Glu											62!
					aaa Lys											67
					ga g Glu 230											72:
ggt Gly	atg Met	tct Ser	gga Gly	ggt Gly 245	aag Lys	tat Tyr	aag Lys	gtg Val	aaa Lys 250	ggt Gly	tat Tyr	gca Ala	gcc Ala	ccc Pro 255	tct Ser	769
		atg Met		tga	ccat	tgca	tac a	aagti	tgcaa	ac t	aacaa	atta	a ca	tttt	gaag	824
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Page 5

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2003-005

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2003-005

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